



# Communicable Disease Report Summit County September, 2017



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## September Report:

### **1. Monthly Highlights/Observations:**

The Communicable Disease Unit (CDU) continue to follow 4 cases of Pulmonary TB and 2 cases of extrapulmonary multidrug resistant TB. All 6 cases are DOT. One pulmonary case is polydrug resistant and DOT requires multiple hours. Another pulmonary case has been diagnosed with both pulmonary and extra-pulmonary TB and remains in isolation. Five new suspect cases are being investigated. All cases are complex and require collaboration and coordination between multiple agencies and external community services.

Two cases of Cryptosporidiosis, 3 cases of Giardiasis, 5 cases of Salmonellosis were investigated as well as 7 Campylobacter cases. These enteric cases require extensive interviews with the patient to determine if they are working in a sensitive occupation as well as a comprehensive food history. The cases involving patients working in sensitive occupations require additional coordination with other agencies.

### **2. Outbreaks:**

No outbreaks reported in September.

**3. Epicenter:** Epicenter is an electronic surveillance system which provides instant notification of unusual symptomatic activity at local Emergency Departments. During the month of September there were 8 Epicenter alerts for Edema, 8 alerts for Exacerbation, 7 alerts for cough, 4 for stiff neck, 3 alerts for congestion, respiratory and rash, and 2 for vision and ear, nose and throat. Many of the alert categories overlapped with the same patient. Many of the alert were the same but analyzed by different methods to determine that the number of reported symptoms were over the threshold. Investigation of these alerts determined that there were no trends, patterns or indication of an emerging public health threat.

**4. Surveillance:** Influenza surveillance will begin in mid October. Providers/facilities and schools are being contacted to invite them to participate in the surveillance program.

**5. Vector-borne Surveillance:** Vector borne surveillance continues until the first frost of the season, tentatively the end of October. Currently mosquitoes remain active in the unseasonably warm weather. Of the 68,036 mosquitoes trapped by SCPH, 313 pools were tested positive for West Nile Virus (WNV). There has been one case of human West Nile Virus to date in Summit County. There was one case of Malaria reported in September and this was associated with travel to Liberia.

## Communicable Disease Reports Received, September 2017

| Reportable Condition  | Sep-17 | Aug-17 | Total Year-to-Date | 2016 Sep |
|---|--------|--------|--------------------|----------|
| Amebiasis   | 0      | 0      | 0                  | 0        |
| Babesiosis  | 0      | 0      | 1                  | 1        |
| Botulism - infant   | 0      | 0      | 0                  | 0        |
| Botulism, food borne  | 0      | 0      | 0                  | 0        |
| Brucellosis   | 0      | 0      | 1                  | 0        |
| Campylobacterosis   | 7      | 6      | 33                 | 4        |
| Chlamydia infection   | 276    | 325    | 2,385              | 207      |
| Cholera   | 0      | 0      | 0                  | 0        |
| Coccidioidomycosis  | 0      | 0      | 1                  | 0        |
| Creutzfeld-Jakob Disease  | 0      | 0      | 0                  | 0        |
| Cryptosporidiosis   | 2      | 1      | 9                  | 2        |
| Dengue  | 0      | 0      | 0                  | 0        |
| E. coli - O157:H7   | 0      | 0      | 0                  | 0        |
| E. coli - Not O157:H7   | 0      | 1      | 6                  | 2        |
| Ehrlichiosis-Ehrlichia chaffeensis                                  | 0      | 0      | 1                  | 0        |
| Giardiasis  | 3      | 1      | 31                 | 1        |
| Gonococcal infection  | 103    | 117    | 830                | 80       |
| Haemophilus influenzae  | 1      | 1      | 5                  | 1        |
| Hepatitis A   | 1      | 1      | 7                  | 0        |
| Hepatitis B - acute   | 3      | 5      | 25                 | 1        |
| Hepatitis B - chronic   | 7      | 12     | 77                 | 8        |
| Hepatitis B - perinatal   | 0      | 2      | 12                 | 3        |
| Hepatitis C- acute  | 1      | 1      | 5                  | 4        |
| Hepatitis C- chronic  | 65     | 64     | 591                | 80       |
| Hepatitis E   | 0      | 0      | 0                  | 0        |
| HIV/AIDS  | 2      | 7      | 44                 | 9        |
| Influenza - ODH Lab Results   | 0      | 0      | 4                  | 1        |
| Influenza-associated hospitalization                                | 4      | 0      | 397                | 1        |
| Influenza-associated pediatric mortality                            | 0      | 0      | 0                  | 0        |
| LaCrosse virus disease ( other california serogroup virus diseases) | 0      | 2      | 2                  | 0        |
| Legionellosis - Legionnaires' Disease                               | 3      | 1      | 19                 | 2        |
| Listeriosis   | 0      | 0      | 0                  | 0        |
| Lyme  | 4      | 3      | 22                 | 4        |
| Malaria   | 1      | 0      | 2                  | 1        |
| MERS  | 0      | 0      | 0                  | 0        |
| Measles   | 0      | 0      | 0                  | 0        |
| Meningitis - aseptic/viral  | 3      | 6      | 22                 | 3        |
| Meningitis-bacterial (Not N. meningitidis)                          | 1      | 0      | 2                  | 0        |

|  |            |            |              |            |
|--|------------|------------|--------------|------------|
| Meningococcal disease-Neisseria meningitidis             | 0          | 0          | 1            | 0          |
| Mumps  | 0          | 0          | 0            | 0          |
| Mycobacterial disease - other than tuberculosis          | 0          | 0          | 3            | 8          |
| Other arthropod-borne disease                            | 0          | 0          | 0            | 0          |
| Pertussis  | 6          | 6          | 32           | 7          |
| Q Fever  | 0          | 0          | 1            | 0          |
| Rubella  | 0          | 0          | 0            | 0          |
| Salmonellosis  | 5          | 7          | 44           | 12         |
| Shigellosis  | 0          | 2          | 4            | 0          |
| Spotted fever rickettsiosis, including RMSF              | 0          | 1          | 1            | 0          |
| Streptococcal - Group A invasive                         | 1          | 0          | 26           | 1          |
| Streptococcal - Group B in newborn                       | 0          | 1          | 4            | 0          |
| Streptococcal toxic shock syndrome (STSS)                | 0          | 0          | 2            | 0          |
| Streptococcus pneumoniae - invasive - unknown resistance | 1          | 2          | 20           | 5          |
| Streptococcus pneumoniae - invasive - resistant          | 0          | 0          | 3            | 0          |
| Syphilis - all stages                                    | 7          | 8          | 56           | 6          |
| Toxic Shock Syndrome (TSS)                               | 0          | 0          | 0            | 0          |
| Trichinellosis   | 0          | 0          | 0            | 0          |
| Tuberculosis   | 0          | 1          | 4            | 2          |
| Tularemia  | 0          | 0          | 0            | 0          |
| Typhoid fever  | 0          | 0          | 0            | 0          |
| Varicella  | 0          | 0          | 1            | 1          |
| Vibriosis (not cholera)                                  | 0          | 0          | 1            | 0          |
| West Nile  | 1          | 0          | 1            | 0          |
| Yersiniosis  | 0          | 0          | 1            | 0          |
| Zika virus   | 0          | 0          | 1            | 0          |
| <b>Total</b>   | <b>508</b> | <b>584</b> | <b>4,740</b> | <b>457</b> |

**Notes:**

\* This report includes the number of reports of disease received and investigated by Summit County Public Health (SCPH). This includes all reports that were determined to be probable, suspected, or confirmed. Based on case investigation, clinical diagnoses, epidemiological case definitions, and lab results, the case status may change.

\* The Total Year-to-Date column reflects all cases of disease where SCPH is identified as the local health department in the Ohio Disease Reporting System (ODRS) as of the date that data was extracted. This includes the cases of disease entered into ODRS after last month's report was generated which will now be included in the Previous Month Revised column. Data may also vary in response to recent changes in data extraction and analysis. Because case classifications can change over time, monthly figures should not be considered final until the annual report is complete.

For questions or comments about this report, please contact Leanne Beavers BSN, RN at (330) 926-5617. This report was issued on September 7, 2017..